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DATE MAILED: 11/01/2010

NOTICE OF ALLOWANCE AND FEE(S) DUE

23685 7590 11/01/2010 KRIEGSMAN & KRIEGSMAN 30 TURNPIKE ROAD, SUITE 9 SOUTHBOROUGH, MA 01772. EXAMINER

KOKKINOS, NICHOLAS C

ART UNIT PAPER NUMBER

1787

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,193	09/18/2006	Kuolih Tsai	81982PCT/US	1230

TITLE OF INVENTION: HEAT TRANSFER LABEL FOR FABRIC WITH THERMOCHROMIC INK AND ADHESIVE SURFACE ROUGHNESS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/01/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth	or transmi ig the Pate ierwise in	ent, advance of Block 1, by (a	rders and notification a) specifying a new o	of n	naintenance fees w pondence address;	ill be and/or	nailed to the current (b) indicating a sepa	corres rate "I	pondence address as EE ADDRESS" for
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APPLICATION NO.	FILING DATE			FIRST NAMED INVEN		NTOR ATTORNEY DOCKET NO. CONFIRMATION N				FIRMATION NO.
10/537,193 TITLE OF INVENTION	09/18/2006 i: HEAT TRANSFER L/	ABEL FOR	R FABRIC WIT	Kuolih Tsai TH THERMOCHRON	MIC I	NK AND ADHES		31982PCT/US IRFACE ROUGHNE:	SS	1230
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nonprovisional	NO	5	\$1510	\$300		\$0		\$1810		02/01/2011
EXAM	EXAMINER		T UNIT	CLASS-SUBCLASS	S					
KOKKINOS, I	NICHOLAS C		1787	428-032770		1				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 8/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATA less an assignce is ident h in 37 CFR 3.11. Comp	nge of Con ' Indication ed. Use of	n form a Customer	(1) the names of to agents OR, alter (2) the name of a registered attorney. 2 registered patent listed, no name wi	up to rnativ single y or a t attor ill be or typ the pa	e firm (having as a gent) and the name neys or agents. If opinted, e) atent. If an assignassignment.	memb es of up no nam	er a 2		nt has been filed for
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NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	iired) will tes Patent	not be accepted and Trademark	d from anyone other the Office.	han th	ne applicant; a regi	stered a	ttorney or agent; or th	e assig	nee or other party in
Authorized Signature						Date				
Typed or printed name						Registration N				
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30 TURNPIKE ROAD, SUITE 9			ART UNIT PAPER NUMBER		
SOUTHBOROUGH, MA 01772			1787		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 485 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 485 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)				
10/537,193	TSALET AL.				
Examiner	Art Unit				
NICHOLAS KOKKINOS	1787				

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included

herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiativ of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.
1. This communication is responsive to the RCE/IDS filed 23 September 2010.
2. X The allowed claim(s) is/are 105-109,111,112,117 and 164-172.
Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the:
 Certified copies of the priority documents have been received.
 Certified copies of the priority documents have been received in Application No
3. Copies of the certified copies of the priority documents have been received in this national stage application from the
International Bureau (PCT Rule 17.2(a)).
* Certified copies not received:
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Falliure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5 CORRECTED DRAWINGS (as "revises many tables to ") must be as it milited

4. C	A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF
	INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. F	CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

- (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. | Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date 20100923
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7. Examiner's Amendment/Comment
- Examiner's Statement of Reasons for Allowance
- 9. 🗌 Other _____. /Callie E. Shosho/

Supervisory Patent Examiner, Art Unit 1787

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Statement of Reasons for Allowance

1. Prior to setting forth the statement of reasons for allowance, it is noted that a request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 23 September 2010 has been entered.

- It is noted that instant claims 105-109, 111, 112, 117, and 164-172 were previously allowed as set forth in the Notice of Allowance and Examiner's Amendment mailed 22 June 2010
- Present claims 105-109, 111, 112, 117, and 164-172 remain allowable over the
 prior art of record for the reasons discussed in the Notice of Allowance mailed 22 June
 Those reasons, as well as additional considerations, have been re-stated below:
- 4. As discussed in the reasons for allowance mailed on 22 June 2010, amended claim 164 overcomes the prior art references of USPN 5,296,444 to Saiki et al., USPN 5,514,516 Vanmaele, USPN to 5,766,397 Jones, USPN 5,573,834 to Stahl, USPN 6,261,734 to Platzer, and USPN 5,456,969 to Suzuki et al. The prior art when taken as

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a whole fails to disclose or suggest each limitation of claim 164, and particularly the combination of the adhesive thickness and surface roughness with the exposure of the top surface of the ink design layer.

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- 5. Applicant's submission filed 23 September 2010 in the form of USPN 5,254,302 to Yamanaka has also been considered. While relevant for the teachings of adhesive layer thickness and surface roughness (see column 5, lines 24-56), Yamanaka does not teach or suggest the remainder of claim 164 because the ink design layer is not printed directly onto the heat-activatable adhesive layer, nor is the heat-activatable adhesive layer positioned between the ink design layer and support portion. The examiner also notes, consistent with page 33 of applicant's remarks filed 19 February 2010, that the Saiki reference explicitly teaches away from the modification of the adhesive layer thickness as suggested by Yamanaka.
- 6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- Any inquiry concerning this communication or earlier communications from the
 examiner should be directed to NICHOLAS KOKKINOS whose telephone number is
 (571) 270-7384. The examiner can normally be reached on Monday-Thursday 9am5pm.

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8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Callie Shosho can be reached on (571) 272-1123. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

9. Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have guestions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/NK/

22 October 2010

/Callie E. Shosho/

Supervisory Patent Examiner, Art Unit 1787